

L1 ANSWER 486 OF 518 CA COPYRIGHT 2005 ACS on STN  
 AN 53:69509 CA  
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 TI **Flexible glass** foil for electrical purposes  
 IN Hanlein, Walter  
 PA Siemens-Schuckertwerke Akt.-Ges.  
 DT Patent  
 LA Unavailable  
 NCL 32B; 1  
 CC 19 (Glass, Clay Products, Refractories, and Enameled Metals)  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 958698		19570221	DE	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 958698	NCL 32B	

AB To a melt, contg. SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, B<sub>2</sub>O<sub>3</sub>, and small amts. of alk. earth oxides, but little or no of alkali metal oxides, TiO<sub>2</sub>, BaO, and other alk. earth oxides are added. The foil is then tempered so that BaTiO<sub>3</sub> is formed. To obtain magnetic glass foil, used for pole cores and sound recording, colloidal Fe can be added. Magnetic properties can also be obtained by addn. of Fe oxide which is already ferromagnetic or becomes so upon addn. of reducing substances to the melt.  
 IT Magnetic cores  
     (from glass contg. BaTiO<sub>3</sub> and colloidal Fe)  
 IT Magnetic substances  
     (glass foil contg. BaTiO<sub>3</sub> and colloidal Fe)  
 IT Glass